

Substitution for form 1 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				COMPLETE IF KNOWN			
				Application Number	Confirmation Number		
Sheet 1 of 7				09/361,671	5810		
				Filing Date	July 27, 1999		
				First Named Inventor	Gail A. Alverson		
				Group Art Unit	2784		
				Examiner Name			
				Attorney Docket No.	324758003US1		
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		NUMBER	Kind Code (if known)				
MB	AA	5,301,325		Benson	4/5/94		
MB	AB	5,333,3280		Ishikawa et al.	7/26/94		
MB	AC	5,450,575		Sites	9/12/95		
MB	AD	5,598,560		Benson	1/28/97		
MB	AE	5,652,889		Sites	7/29/97		
MB	AF	5,768,592		Chang	6/16/98		
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number Kind Code (if known)				
MB	AG	UK	GB2307760	AT&T Corp.	6/4/97		
MB	AH	EP	EP0422945	International Business Machines	4/17/91		
MB	AI	EP	EP0864979	Digital Equipment Corporation	9/16/98		
MB	AJ	DE	DE19710252	Fujitsu Ltd.	2/26/98		
MB	AK	EP	EP0537098	International Business Machines	4/14/93		
MB	AL	EP	EP0855648	Texas Instruments, Inc.	7/29/98		
MB	AM	EP	EP0455966	International Business Machines	11/13/91		
MB	AN	DE	DE19710252	Fujitsu Ltd. (English Abstract)	2/26/98		
	AO						
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS							
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.					T
MB	AP	Burton Smith, "The End of Architecture," Keynote Address Presented at the 17th Annual Symposium on Computer Architecture, Seattle, Washington, May 29, 1990.					
MB	AQ	Richard Korry et al., "Memory Management in the Tera MTA System," 1995.					
MB	AR	Gail Alverson et al., "Processor Management in the Tera MTA System," 1995.					
EXAMINER Myra Banchal				DATE CONSIDERED 4/19/20			
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).							

Substitute for form 49A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	09/361,671
Confirmation Number	5810
Filing Date	July 27, 1999
First Named Inventor	Gail A. Alverson
Group Art Unit	2784
Examiner Name	
Attorney Docket No.	324758003US1

Sheet

2

of

7

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
MB	AA	5,966,539		Srivastava	10/12/99	
MB	AB	6,002,879		Radigan et al.	12/14/99	
MB	AC	6,029,005		Radigan	2/22/00	
MB	AD	6,151,704		Radigan	11/21/00	
MB	AE	5,712,996		Schepers	1/27/98	
MB	AF	5,594,864		Trauben	1/14/97	
MB	AG	5,557,761		Chan	9/17/96	
MB	AH	5,504,932		Vassiliadis et al.	4/2/96	
MB	AI	4,872,167		Maezawa et al.	10/3/89	
MB	AJ	5,564,051		Halliwell et al.	10/8/96	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AK							
	AL							
	AM							
	AN							
	AO							

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
MB	AP	Major System Characteristics of the TERA MTA, November 1995.	
MB	AQ	Roy F. Touzeau, "A Fortran Compiler for the FPS-164 Scientific Computer," Proceedings of the ACM SIGPLAN '84 Symposium on Compiler Construction, SIGPLAN Notices Vol. 19, No. 6, June 1984.	
MB	AR	Mark A. Linton, "The Evolution of Dbx," USENIX Summer Conference, June 11-15, 1990.	

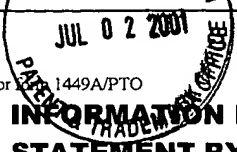
EXAMINER

Majid Barakchi

DATE CONSIDERED

4/19/04

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

 <p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				COMPLETE IF KNOWN			
				Application Number	09/361,671		
				Confirmation Number	5810		
				Filing Date	July 27, 1999		
				First Named Inventor	Gail A. Alverson		
				Group Art Unit	5810		
				Examiner Name			
Sheet	3	of	7	Attorney Docket No.	324758003US1		
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		NUMBER	Kind Code (if known)				
MB	AA	6,049,671		Slivka et al.	4/11/00		
MB	AB	5,826,265		Van Huben et al.	10/20/98		
MB	AC	6,151,701		Humphreys et al.	11/21/00		
MB	AD	6,059,840		Click, Jr.	5/9/00		
MB	AE	6,072,952		Janakiraman	6/6/00		
MB	AF	6,101,524		Choi et al.	8/8/00		
MB	AG	6,058,493		Talley	5/2/00		
MB	AH	6,009,269		Burrows et al.	12/28/99		
MB	AI	6,002,872		Alexander III et al.	12/14/99		
MB	AJ	5,978,902		Mann	11/2/99		
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number Kind Code (if known)				
	AK						
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS							
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.					T
MB	AL	David Callahan and Burton Smith, "A Future-Based Parallel Language for a General-Purpose Highly-Parallel Computer, Languages and Compilers for Parallel Computing," MIT Press, 1990.					
MB	AM	David Callahan et al., "Improving Register Allocation for Subscripted Variables," Proceedings of the ACM SIGPLAN Conference on Programming Language Design and Implementation, White Plains, New York, June 20-22, 1990.					
MB	AN	Brad Adelberg et al., "The Strip Rule System for Efficiently Maintaining Derived Data," Sigmod Record, Association for Computing Machinery, New York, Vol. 26, No. 2, June 1, 1997.					
MB	AO	Surajit Chaudhuri and Umeshwar Dayal, "An Overview of Data Warehousing and OLAP Technology," Sigmod Record, Association for Computing, New York, Vol. 26, No. 1, March 1997.					
MB	AP	Gagan Agrawal and Joel Saltz, "Interprocedural Data Flow Based Optimizations for Compilation of Irregular Problems," Annual Workshop on Languages and Compilers for Parallel Computing, 1995.					
EXAMINER Majid Brankleah				DATE CONSIDERED 4/19/09			
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).							

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Substitute for Form 1449A/PTO

COMPLETE IF KNOWN

Application Number	09/361,671
Confirmation Number	5810
Filing Date	July 27, 1999
First Named Inventor	Gail A. Alverson
Group Art Unit	2784
Examiner Name	
Attorney Docket No.	324758003US1

Sheet

4

of

7

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
MB	AA	5,961,639		Mallick et al.	10/5/99	
MB	AB	5,953,530		Rishi et al.	9/14/99	
MB	AC	5,903,730		Asai et al.	5/11/99	
MB	AD	5,901,315		Edwards et al.	5/4/99	
MB	AE	5,913,925		Kahle et al.	6/22/99	
MB	AF	5,887,166		Mallick et al.	3/23/99	
MB	AG	5,877,766		Bates et al.	3/2/99	
MB	AH	5,867,643		Sutton	2/2/99	
MB	AI	5,805,892		Nakajima	9/8/98	
MB	AJ	5,787,245		You et al.	7/28/98	

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AK							

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
MB	AP	David Callahan, "Recognizing and Parallelizing Bounded Recurrences," August 1991.	
MB	AQ	D.H. Bailey et al., "The NAS Parallel Benchmarks - Summary and Preliminary Results," Numerical Aerodynamic Simulation (NAS) Systems Division, NASA Ames Research Center, California, 1991.	
MB	AR	Robert Alverson et al., "The Tera Computer System," Proceedings of 1990 ACM International Conference on Supercomputing, June 1990.	
MB	AS	Gail Alverson et al., "Scheduling on the Tera MTA," Job Scheduling Strategies for Parallel Processing, 1995.	
MB	AT	Burton Smith, "The Quest for General-Purpose Parallel Computing.	

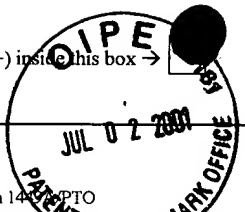
EXAMINER

Meyd Brankhal

DATE CONSIDERED

4/19/04

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



Substitute for form 1449 PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	09/361,671
Confirmation Number	5810
Filing Date	July 27, 1999
First Named Inventor	Gail A. Alverson
Group Art Unit	5810
Examiner Name	
Attorney Docket No.	324758003US1

RECEIVED
JUL 3 2001
Technology Center 2100

Sheet

5

of

7

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
MB	AA	5,774,721		Robinson	6/30/98	
MB	AB	5,768,591		Robinson	6/16/98	
MB	AC	5,754,855		Miller et al.	5/19/98	
MB	AD	5,632,032		Ault et al.	5/20/97	
MB	AE	5,533,192		Hawley et al.	7/2/96	
MB	AF	5,168,554		Luke	12/1/92	
MB	AG	4,819,234		Huber	4/4/89	
MB	AH	6,112,293		Witt	8/29/00	
MB	AI	6,094,716		Witt	7/25/00	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AJ							

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
MB	AK	Preston Briggs and Keith D. Cooper, "Effective Partial Redundancy Elimination," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 29, No. 6, June 1, 1994.	
MB	AL	Cliff Click, "Global Code Motion, Global Value Numbering," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 6, June 1, 1995.	
MB	AM	Vugranam C. Sreedhar and Guang R. Gao, "Incremental Computation of Dominator Trees," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 3, March 1, 1995.	
MB	AN	Jim Galarowicz et al., "Analyzing Message Passing Programs on the Cray T3E with PAT and VAMPIR," Research Report, "Online!," May 1998.	
MB	AO	Jennifer Anderson et al., "Continuous Profiling: Where Have All the Cycles Gone?" Operating Systems Review, ACM Headquarters, New York Vol. 31, No. 5, December 1, 1997.	
MB	AP	Gail Alverson et al., "Tera Hardware-Software Cooperation," Proceedings of Supercomputing 1997, San Jose, California, November 1997.	

EXAMINER

Majid B. Markhal

DATE CONSIDERED

4/18/04

Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				COMPLETE IF KNOWN				
				Application Number		09/361,671		
				Confirmation Number		5810		
				Filing Date		July 27, 1999		
				First Named Inventor		Gail A. Alverson		
				Group Art Unit		2784		
Examiner Name								
Sheet	6	of	7	Attorney Docket No.		324758003US1		
U.S. PATENT DOCUMENTS								
EXAMINER INITIALS	Cite No.	U.S. Patent Document NUMBER Kind Code (if known)		Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MB	AA	5,812,811		Dubey et al.		9/22/98		
MB	AB	5,581,764		Fitzgerald		12/3/96		
	AC							
FOREIGN PATENT DOCUMENTS								
EXAMINER INITIALS	Cite No.	Foreign Patent Document Office Number Kind Code (if known)		Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AD							
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS								
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.						
MB	AE	Jack W. Davidson and David B. Whally, "Reducing the Cost of Branches by Using Registers," "Proceedings of the 17th Annual Symposium on Computer Architecture," Seattle, Washington, May 28-31, 1990.						
MB	AF	Jens Knoop et al., "The Power of Assignment Motion," ACM SIGPLAN '95 Conference on Programming Language Design and Implementation," La Jolla, California, June 18-21, 1995.						
MB	AG	Hiralal Agrawal, "Dominators, Super Blocks and Program Coverage," 21st ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages, Portland, Oregon, January 17-21, 1994.						
MB	AH	Tomas Lang and Miquel Huguet, "Reduced Register Saving/Restoring in Single-Window Register Files," Computer Architecture News, Vol. 14, No. 3, June 1986.						
MB	AI	Kenneth J. Goldman, "Introduction to Data Structures," 1996 (retrieved from Internet, http://www.cs.wustl.edu/~kjc/CS101_SP97/Notes/DataStructures/structures.html)						
MB	AJ	Aswhin Ram and Janak H. Patel, "Parallel Garbage Collection Without Synchronization Overhead," 12th Annual Symposium on Computer Architecture, June 17, 1985.						
MB	AK	H. Hayashi et al., "ALPHA: A High Performance Lisp Machine Equipped with a New Stack Structure and Garbage Collection System," 10th Annual International Symposium on Computer Architecture, 1983.						
MB	AL	Tera MTA, Principles of Operation, November 18, 1997.						
MB	AM	Ji Minwen et al., "Performance Measurements for Multithreaded Programs," SIGMETRICS '98, ACM, 1998, pp. 168-170.						
EXAMINER Majid Baouab				DATE CONSIDERED 4/19/09				
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).								

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)**COMPLETE IF KNOWN**

Application Number	09/361,671
Confirmation Number	5810
Filing Date	July 27, 1999
First Named Inventor	Gail A. Alverson
Group Art Unit	2784
Examiner Name	
Attorney Docket No.	324758003US1

Sheet

7

of

7

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
	AA					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	AB							

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
MB	AC	Jonathan E. Cook and Alexander L. Wolf, "Event Based Detection of Concurrency," SIGSOFT '98 ACM, 1998, pp. 34-45.	
MB	AD	Jenn-Yuan Tsai et al., "Performance Study of a Concurrent Multithreaded Processor," IEEE, 1998, pp. 24-35.	
MB	AE	"Method of Tracing Events in Multi-Threaded OS/2 Applications," IBM Tech. Disclosure Bulletin, September 1993, pp. 19-22.	
MB	AF	Priyadarshan Kolte and Mary Jean Harrold, "Load/Store Range Analysis for Global Register Allocation," ACM-SIGPLAN, June 1993.	
MB	AG	George Lal and Andrew W. Appel, "Iterated Register Coalescing," ACM Transactions on Programming Languages and Systems, Vol. 18, No. 3, May 1996, pp. 300-324.	
MB	AH	Fred C. Chow and John L. Hennessy, "The Priority-Based Coloring Approach to Register Allocation," ACM Transactions on Programming Languages and Systems, Vol. 12, No. 4, October 1990, pp. 501-536.	
MB	AI	Preston Briggs et al., "Coloring Heuristics for Register Allocation," Department of Computer Science, Rice University, Houston, Texas, June 1989.	
MB	AJ	Preston Briggs et al., "Coloring Register Pairs," ACM Letters on Programming Languages and Systems, Vol. 1, No. 1, March 1992, pp. 3-13.	
MB	AK	SangMin Shim and Soo-Mook Moon, "Split-Path Enhanced Pipeline Scheduling for Loops with Control Flows," IEEE, December 2, 1998.	
MB	AL	David Callahan and Brian Koblenz, "Register Allocation via Hierarchical Graph Coloring," Proceedings of the ACM SIGPLAN '91 Conference on Programming Language Design and Implementation, Toronto, Canada, June 26, 28-1991.	

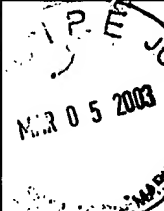
EXAMINER

Majid Banuhash

DATE CONSIDERED

4/19/04

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
Application Number		09/361,671			
Confirmation Number		Unknown			
Filing Date		July 27, 1999			
First Named Inventor		Gail A. Alverson			
Group Art Unit		2151			
Examiner Name		Unknown			
Attorney Docket No.		324758003US1			
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			

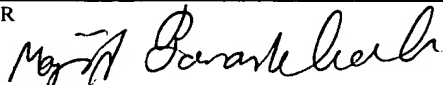
RECEIVED

MAR 07 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
MB		Smith, Burton, "Opportunities for Growth in High Performance Computing," November 1994, 3 pages	

EXAMINER 	DATE CONSIDERED 4/19/04
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to application(s).	